WATER SUPPLY OUTLOOK FOR UTAH

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES
-- DIVISION OF WATER RIGHTS

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
MAY 1, 1977

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: SNOW COURSE MEASUREMENTS BY A SURVEY TEAM IN UTAH'S WASATCH RANGE.
ORC-254-10

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, 6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P.O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1220 S.W. Third Ave., Portland, Oregon 97204
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

USDA-SCS-PORTLAND, OR. 1976

WATER SUPPLY OUTLOOK FOR UTAH

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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UTAH STATE DEPT. OF NATURAL RESOURCES

USDA-SCS-PORTLAND, OR. 1976 M7-L-22027B

Report prepared by

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SOIL CONSERVATION SERVICE
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SALT LAKE CITY, UTAH 84138

SNOW COVER

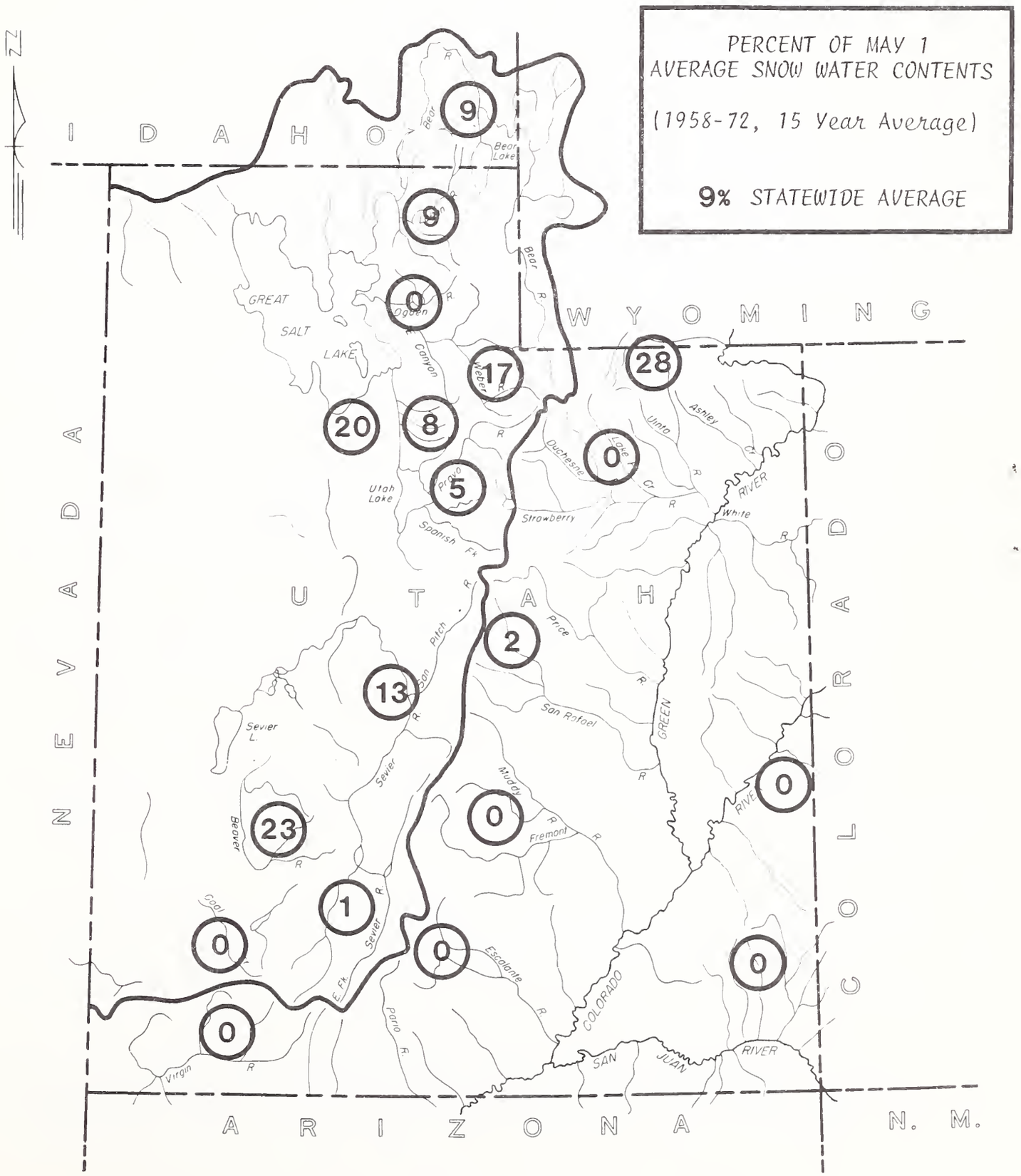
Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS

MAY 1, 1977

Approximate Date

50 0 50 100

SCALE IN MILES



USDA SCS PORTLAND, OREG 1970 M-2853

WATER SUPPLY OUTLOOK

as of
May 1, 1977

* *
* The winter of 1976-77 in Utah has established itself as the *
* driest on record, and the spring runoff months point toward *
* producing the lowest streamflows since the drought year of *
* 1934. It is feared that many areas of the state will face *
* water shortages not experienced since that dry year. *
* *

SNOW COVER

Premature melting of snow on the high watersheds and complete melting of all snow at low elevations was recorded on this months surveys.

Only 27% of the courses measured had any snow, and only two of 134 recorded snow above the previous minimums. Statewide, only 9% of an average May 1 snow remains.

The best snow cover in the state was measured in the Upper Green River Basin, and it was only 28% of average. Snow courses on the north slope of the Uintahs measured as high as 47% of the May 1 average water content.

PRECIPITATION

Following the pattern of other dry winter months, April produced well below average precipitation catches as measured at mountain stations. Some sites which normally collect one to two inches of rainfall, received no catch during the month.

Measurements indicate accumulation for the month from 80% of average at Burnt Creek down to 4% at Big Flat in the Beaver River drainage and some had no precipitation at all.

SOIL MOISTURE

Dry soils continued to be a concern. With the bare, dry conditions of watershed soils, absorption rates from melt have been high, and will materially reduce the effects of spring rains on runoff.

RESERVOIR STORAGE

Storage in 24 key reservoirs is now 105% of the May 1 average and 17% less than last year. Water is already being used from reservoirs because streamflow has already peaked at near record low levels.

STREAMFLOW FORECASTS

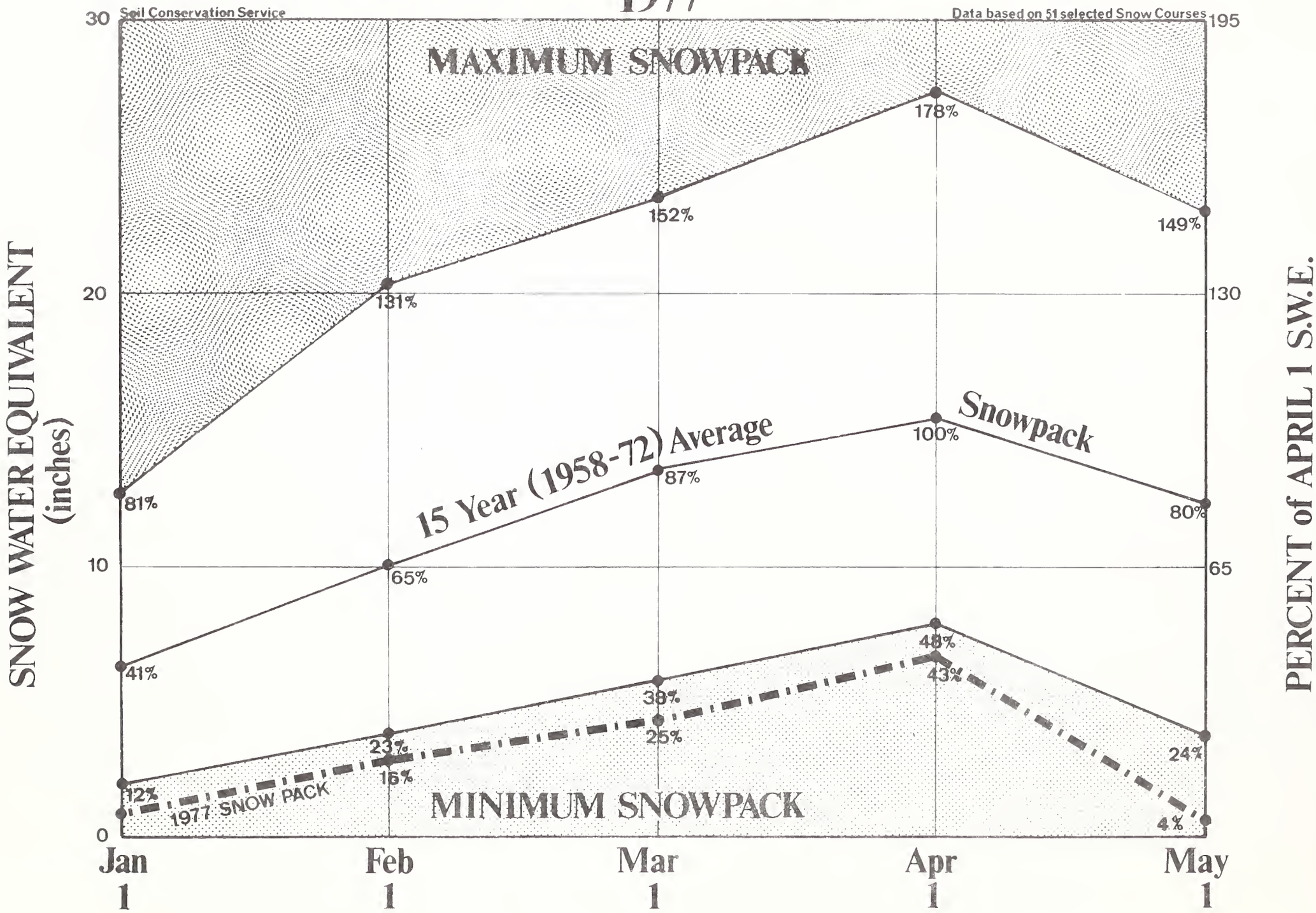
Spring and summer streamflow forecasts are lowered this month as a result of continued warm, dry weather. Prospects for record low flows exist throughout the state. Many streams will produce less flow this year

than was recorded in the 1934 drought year. Forecasts for selected stations are given below, with comparative flow information from 1934.

Station Name	Period	Forecast	Average	%Average	1934
Bear at Harer	May-Sept	13.1	237	6	13.1
Weber near Oakley	May-June	22	91	24	22.4
Duchesne at Duchesne	May-July	22	170	13	24.4
Uintah near Neola	May-July	15.8	83	19	16.5
Logan near Logan	May-July	27	98	28	28
Parley's Creek near SLC	May-July	1.1	9.4	12	0.8
Big Cottonwood Creek	May-July	9.7	31	31	7.4
Spanish Fork near Thistle	May-July	3.4	25	14	4.0
Utah Lake Inflow	May-July	43	143	30	55.0
Sevier near Kingston	May-July	1.5	15	10	1.9
Colorado at Cisco	Apr-July	836	2835	29	1225
Virgin near Virgin	May-June	9.1	28	33	9.1
Lakefork below Moon Lake	May-July	15.1	66	23	19.2

Above forecasts and observed flows in 1,000's of acre feet.

UTAH'S WINTER SNOWPACK
1977



PROSPECTIVE WATER SUPPLIES

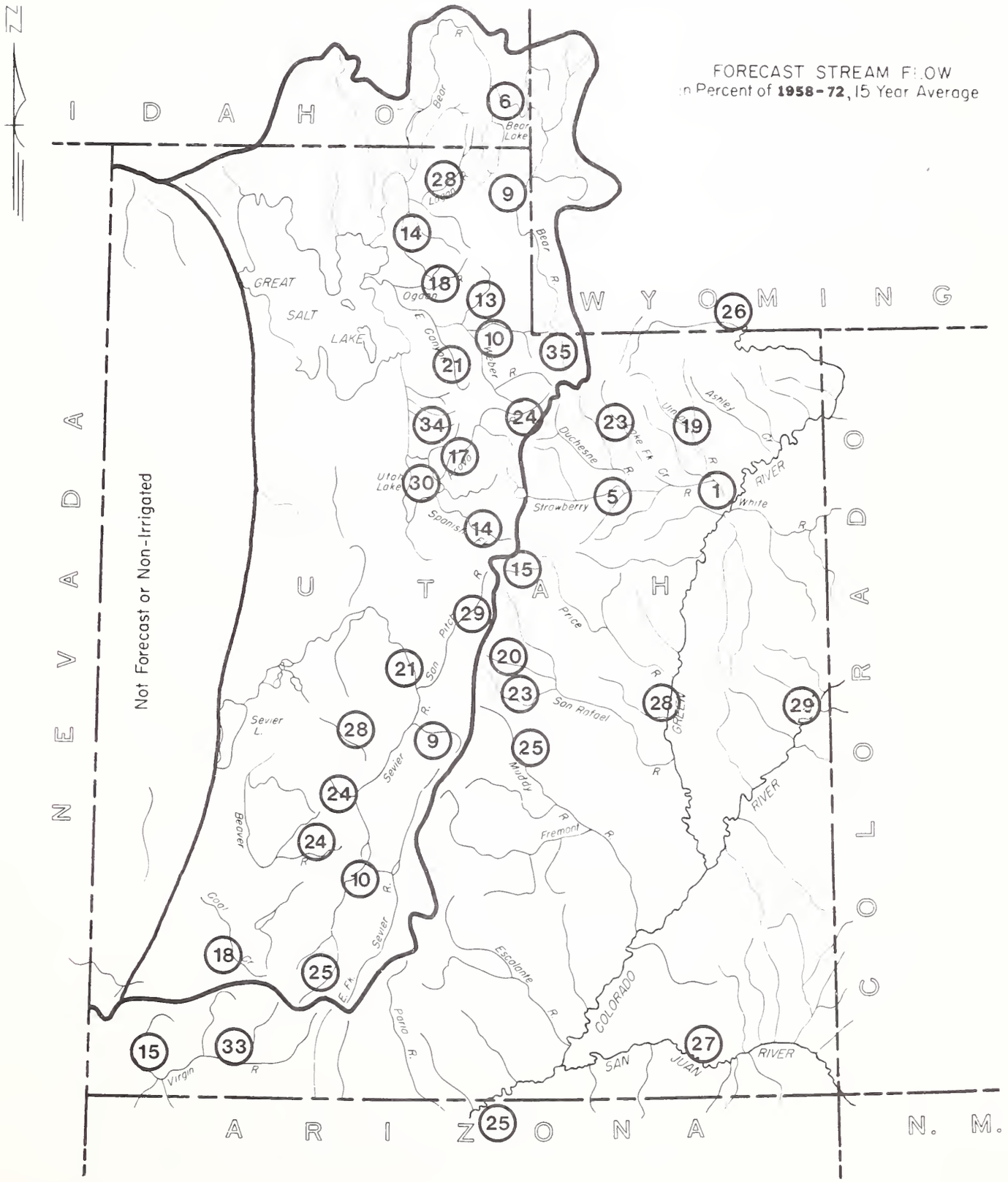
Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS

MAY 1, 1977

Approximate Date

50 0 50 100

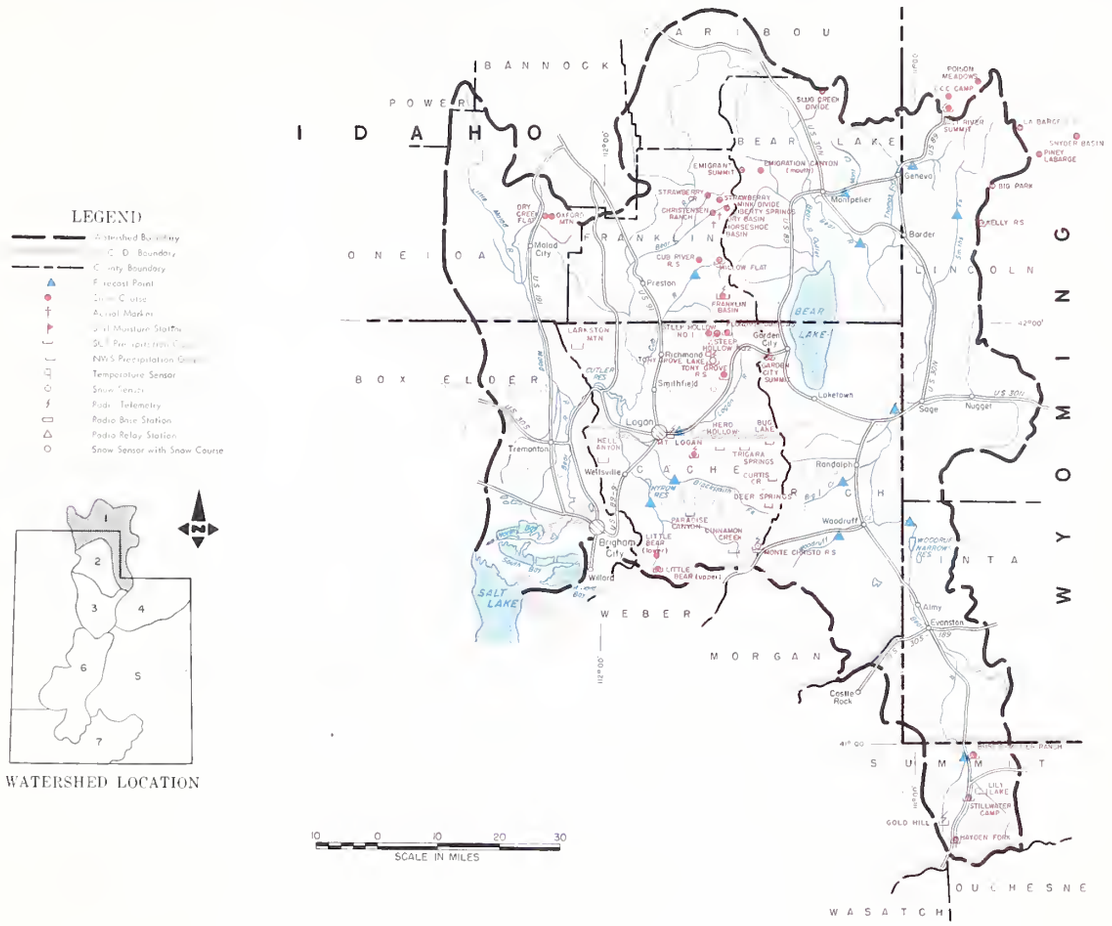
SCALE IN MILES



USDA SCS PORTLAND, OREG. 1970 M-2853

WATER SUPPLY OUTLOOK
BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES - DIVISION OF WATER RIGHTS



MAY 1, 1977

THE WATER SUPPLY OUTLOOK IS POOR

SNOW COVER has deteriorated rapidly, and snow remains on only seven of the 20 courses in the basin. Snow water content for May 1 is only 9% of average. No snow remains below the 8,000 foot elevation.

PRECIPITATION at mountain stations ranged from only 11% to 36% of their April averages. The October-April totals are 30% to 59% of average.

SOIL MOISTURE is still below average. With the ground open and not frozen the absorption rates are high, still further reducing runoff.

RESERVOIR STORAGE is still above average in Bear Lake and Hyrum, but well below in Woodruff Narrows and Porcupine

STREAMFLOW FORECASTS range from 35% of the average May-July period for the Bear near Utah-Wyoming state line, to 6% for Bear at Harer, Idaho. Blacksmith Fork and Bear near Woodruff are forecast at 14%, while Big Creek is expected to be 12% of average. These forecasts represent flows at or below the levels experienced in the drought year of 1934.

USDA-SCS-PORTLAND, OR 1976 M7-OL-22027-I

Report prepared by
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BEAR RIVER BASIN in UTAH

STREAMFLOW FORECASTS

BASIN STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 2	PAST RECORD THOUSAND ACRE FEET Average +
BEAR RIVER					
Bear nr Ut-Wyo. State Line	37	35	May-July	75	106
Bear nr Woodruff	15.4	14	May-July	83	109
Woodruff Ck nr Woodruff, Utah	1.9	15	May-July	12	13.1b
Big Creek nr Randolph, Utah	0.4	12	May-July	--	3.4b
Bear nr Randolph	6.5	9	May-July	48	75
Smith's Fork nr Border, Wyo.	25	22	Apr-Sept	--	116
Thomas Fork nr Ut-Wyo Border	6	19	Apr-Sept	--	32
Bear at Harer, Idaho[1]	13.1	6	May-Sept	--	237
Cub River nr Preston, Idaho	12.0	26	May-Sept	--	46
Little Bear nr Paradise	1.5	6	May-June	20	24
Logan nr Logan[1]	27	28	May-July	99	98
Blacksmith Fork nr Hyrum	5.0	14	May-July	38	35

1 - Observed flow corrected for change in storage and diversions
2 - Provisional flows - subject to correction
b - Average of all past record + less than 15 years

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
UPPER BEAR RIVER	4	10	9
LOWER BEAR RIVER	7	8	9
LOGAN RIVER	5	8	9

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
BEAR RIVER	Bear Lake	1421.0	1050.0	1137.0	1040.0
	Woodruff Narrows	26.5	8.6	26.5	26.3
LITTLE BEAR	Hyrum	15.3	14.9	10.6	14.2
	Porcupine	11.3	5.0	6.6	9.8

+ - 1958-72 15 Year Average Period

PEAK FLOWS *

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
Big Creek nr Randolph	Peaks below	41b
Little Bear nr Paradise	previous	473
Logan River nr Logan	minimums. Most	984
Woodruff Creek nr Woodruff	have already occurred.	240

* - Maximum mean daily peak flow

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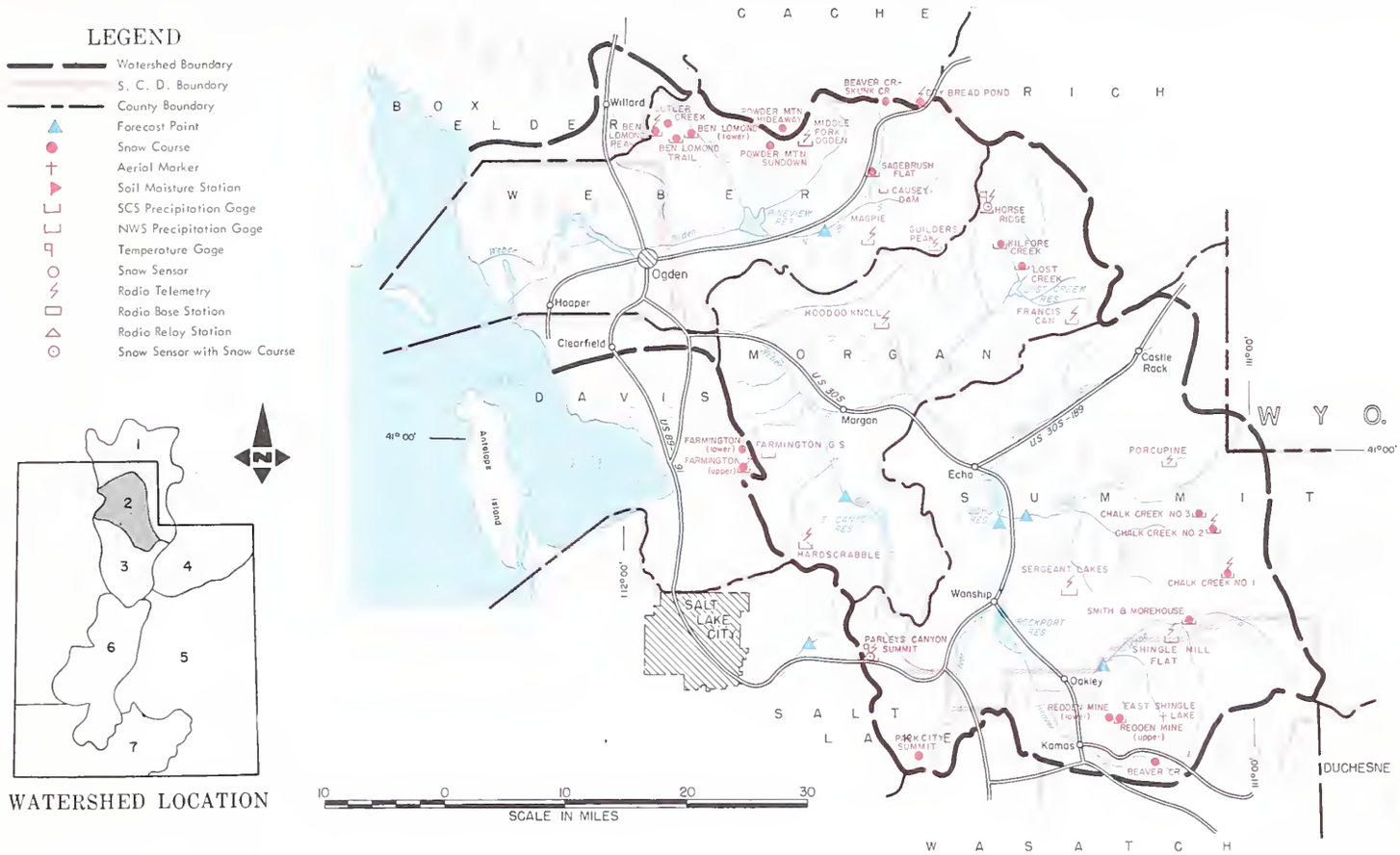
WATER SUPPLY OUTLOOK

WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



MAY 1, 1977

THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE

SNOW COVER has melted from all snow courses on the Ogden and remains on only six of 16 courses on the Weber River. Snow water content on the Weber is now only 17% of the May 1 average. Faster than normal melt in April resulted in little increased streamflow.

PRECIPITATION at mountain stations ranged from 11 to 15% of the April average on the Ogden River and 9 to 20% of average on the Weber River watershed.

SOIL MOISTURE is well below average, especially at medium and low elevations.

RESERVOIR STORAGE is a little above the May 1 average, except on Pineview and Willard Bay, but the reservoirs are not expected to fill since most of this years peak flows have already occurred.

STREAMFLOW FORECASTS for the May-June period now range from 10% of average on Chalk Creek to 33% on Hardscrabble Creek. Weber River forecasts range from 24% of average at Oakley, to 20% for Rockport Inflow to 12% of average at Coalville. Lost Creek is expected to be 13% of average and East Canyon 21% of average. South Fork of the Ogden is forecast 15% of average and the Inflow to Pineview 18%.

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USDA-SCS PORTLAND, OREG. 1974 M7-DL-22027-2

WEBER-OGDEN WATERSHEDS in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 3	PAST RECORD THOUSAND ACRE FEET Average +
WEBER-OGDEN RIVERS					
Weber near Oakley	22	24	May-June	80	91
Rockport Reservoir Inflow[1]	20.2	20	May-June	- -	99
Weber near Coalville[2]	11.8	12	May-June	- -	94
Chalk Creek at Coalville	2.5	10	May-June	22	26
Lost Creek nr Croydon, Utah	1.2	13	May-June	7.1	9.4
Hardscrabble Ck nr Porterville	3.7	33	May-June	- -	11.2
East Canyon Creek nr Morgan[1]	2.8	21	May-June	11.3	13
South Fork Ogden nr Huntsville	5.0	15	May-June	28	34
Pineview Reservoir Inflow	11.3	18	May-June	52	64
JORDAN RIVER & SALT LAKE					
Farmington Crk nr Farmington	1.9	29	May-July	- -	6.5

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U.S. Bureau of Reclamation
3 - Provisional flows - Subject to correction
b - Average of all past record - less than 15 years
+ - 1958-72 15 Year average period

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
OGDEN RIVER	6	0	0
WEBER RIVER	11	18	17

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average†
OGDEN	Causey	6.9	4.6	2.1	2.5
	Pineview	110.1	59.3	81.1	67.8
WEBER	East Canyon	48.1	45.6	41.5	25.6
	Echo	73.9	52.6	59.8	53.9
	Lost Creek	20.0	13.9	17.2	11.3
	Rockport	60.9	33.5	50.7	30.5
	Willard Bay	193.3	149.0	171.9	161.7

PEAK FLOWS*

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
Lost Creek near Croydon	Peaks below previous minimums. Most have already occurred.	206b
South Fork Ogden near Huntsville		697
Chalk Creek near Coalville		373

* - Maximum mean daily peak flows

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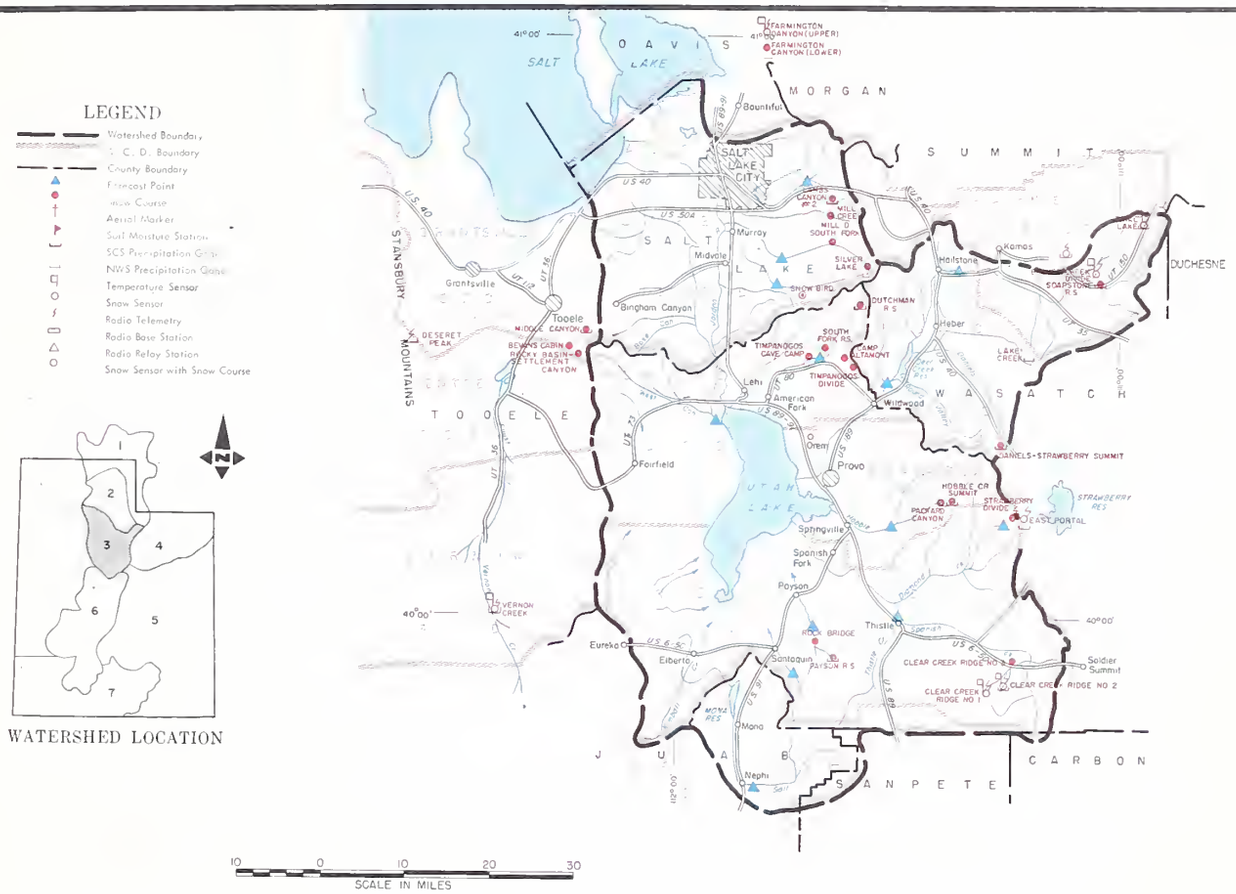
WATER SUPPLY OUTLOOK

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES - DIVISION OF WATER RIGHTS



MAY 1, 1977

THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE

SNOW COVER is gone except at the highest elevations. Provo River and Utah Lake drainages are now only 5% of the May 1 average snow water content. Only Trial Lake had snow remaining. Jordan River and Salt Lake drainages are 8% of the May 1 average. Tooele Valley by itself, is 20% of average.

PRECIPITATION at mountain stations ranged from 3 to 20% of the April average and has been only 40 to 49% of average for the water year to date.

SOIL MOISTURE is well below average.

RESERVOIR STORAGE is above average, but less than last year at this time. Storage water is being used already due to low runoff this year.

STREAMFLOW FORECASTS for the May-July period range from 4% of average for Strawberry Inflow to 34% for Little Cottonwood Creek. Provo River is forecast 24% at Hailstone and 17% below Deer Creek Dam, Spanish Fork 14%, Hobble Creek 8%, and American Fork 25%. The Inflow to Utah Lake is forecast 30% of average and Strawberry Inflow only 4% of the May-July average. The creeks above Salt Lake City are forecast from 12% on Parleys Creek to 34% on Little Cottonwood with Big Cottonwood 31%, Mill Creek 28%, City Creek 18%, and Emigration 33%. Vernon Creek is forecast 25% of the May-July average, and Settlement Creek 10% of average. All streams are expected to recede much earlier than usual causing shortages early this season.

Report prepared by
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USDA-SCS-PORTLAND OR 1976 M7-OL-22027-3

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

STREAMFLOW FORECASTS

BASIN STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 2	PAST RECORD THOUSAND ACRE FEET Average †
PROVO RIVER & UTAH LAKE					
Payson Creek near Payson	1.2	24	May-July	- -	5.1b
Spanish Fork at Thistle	3.4	14	May-July	- -	25
Hobble Creek nr Springville	1.0	8	May-July	- -	12
Provo near Hailstone[1]	21.5	24	May-July	98	90
Provo below Deer Creek Dam[1]	15.4	17	May-July	- -	88
Strawberry Reservoir Inflow[1]	1.5	4	May-July	27	35
American Fork nr American Fork	6.5	25	May-July	- -	26
Utah Lake Inflow	43	30	May-July	- -	143
JORDAN RIVER & SALT LAKE					
Little Cottonwood near SLC	11.3	34	May-July	- -	33
Big Cottonwood near SLC	9.7	31	May-July	- -	31
Mill Creek near SLC	1.4	28	May-July	- -	5.0
Emigration Creek near SLC	0.8	33	May-July	- -	2.4
City Creek near SLC	1.1	18	May-July	- -	6.0
Parley's Creek near SLC	1.1	12	May-July	- -	9.4
TOOELE VALLEY					
Vernon Creek near Vernon	0.1	25	May-July	0.4	0.4b
Settlement Creek nr Tooele	0.2	10	May-July	- -	2.1b

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
PROVO RIVER & UTAH LAKE	12	5	5
JORDAN RIVER & SALT LAKE	6	9	8
TOOELE VALLEY	4	21	20

1 - Observed flow corrected for change in storage and diversions
2 - Provisional flows - Subject to correction
b - Average of all past record - less than 15 years
+ - 1958-72 15 Year average period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average†
SPANISH FORK	Strawberry	270.0	211.1	257.6	129.3
UTAH LAKE	Utah Lake	883.9	797.6	948.3	667.7
PROVO RIVER	Deer Creek	149.7	99.7	104.4	103.5
SETTLEMENT CREEK	Settlement Creek	1.2	- -	1.1	- -
	Vernon Creek	0.6	- -	0.6	- -

PEAK FLOWS*

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Spanish Fork near Thistle	Most streams	365
Hobble Creek near Springville	have already	210
Parleys Creek near Salt Lake City	peaked below	116
Big Cottonwood near Salt Lake City	previous	377
	minimums.	

* - Maximum mean daily peak flows

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WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH

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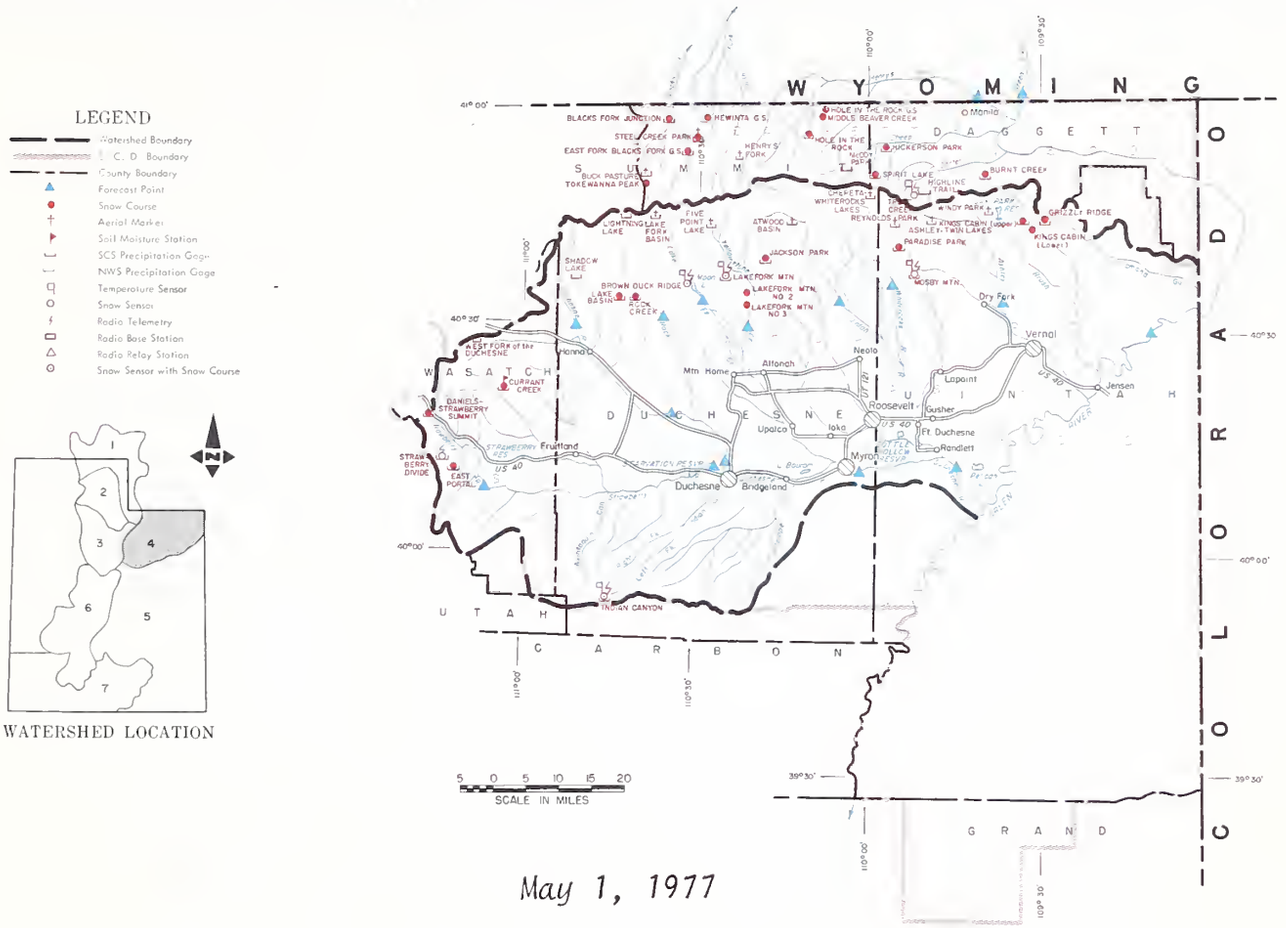

May 1, 1977

THE WATER SUPPLY OUTLOOK IS POOR

SNOW COVER has completely melted from all snow courses on the south side of the Uintahs and is 28% of the May 1 average on the north side of the mountains. A small amount of snow remains on the aerial snow depth markers above 11,000 feet on the south side, but depths of only 2 to 12 inches were found at the highest elevations. Ice is beginning to melt from some high lakes.

PRECIPITATION at mountain stations ranged from 22 to 80% of average on the north slope of the Uintahs and 14 to 29% on the south slope.

SOIL MOISTURE is well below average.

RESERVOIR STORAGE is below average and Steinaker and Moon Lake are not expected to fill this season.

STREAMFLOW FORECASTS for the May-July period range from 1% of average for the Duchesne at Randlett to 39% for Blacks Fork at Millburne. Ashley Creek forecast is 29% of average, Whiterocks and Uintah 19%, Lakefork and Yellowstone 23%, Rock Creek 25%, and the Duchesne at Tabiona 12%. Currant Creek is forecast at 4% of average and Strawberry at Duchesne 5% of the May-July average. Water shortages are expected in this area for all users without reservoir supplies.

Report prepared by
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USDA-SCS-POR-AND OR 1976 M17-OL-22027-4

UINTAH BASIN and DAGGETT SCD's in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 2	PAST RECORD THOUSAND ACRE FEET Average +
DUCHESNE RIVER					
Duchesne near Tabiona[1]	11.8	12	May-July	- -	94
Rock Creek near Mtn. Home	22.4	25	May-July	- -	90
Duchesne at Duchesne[1]	21.8	13	May-July	- -	170
Strawberry at Duchesne	2.2	5	May-July	- -	46
Lakefork below Moon Lake[1]	15.1	23	May-July	- -	66
Yellowstone near Altonah	14.3	23	May-July	33.5	61
Duchesne at Myton[1]	7.5	4	May-July	- -	185
Uintah near Neola	15.8	19	May-July	56	83
Whiterocks near Whiterocks	10.8	19	May-July	45	56
Duchesne at Randlett[1]	2.3	1	May-July	- -	200
Currant Creek nr Fruitland	0.6	4	May-July	- -	15.7
FLAMING GORGE TO DUCHESNE RIVER					
Blacks Fork nr Millburne	35	39	May-July	- -	89
Henry's Fork at Linwood	14	31	Apr-Sept	- -	45
Flaming Gorge Inflow[1]	310	26	Apr-July	- -	1174
Ashley Creek near Vernal	13.8	29	May-July	43.8	48

1 - Observed flow corrected for change in storage and diversions
2 - Provisional flows - Subject to correction

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
DUCHESNE RIVER	8	0	0
STRAWBERRY RIVER	3	0	0
LAKEFORK-YELLOWSTONE	3	0	0
UINTAH-WHITEROCKS	2	0	0
ASHLEY-BRUSH CREEKS	2	0	0

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
ASHLEY CREEK	Steinaker	33.3	18.1	30.0	26.2
GREEN RIVER	Flaming Gorge	3749.0	2638.0	3351.0	1629.0
LAKE FORK	Moon Lake	35.8	10.8	21.8	19.0
STRAWBERRY	Starvation	165.3	165.0	141.4	- -
UINTAH	Bottle Hollow	11.3	10.8	10.8	- -

a - Partly Estimated
+ - 1958-72 15 Year average period

PEAK FLOWS *

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
Ashley Creek near Vernal	Peaks below previous minimums. Most have already occurred.	906
Strawberry at Duchesne		628

* Maximum mean daily peak flow

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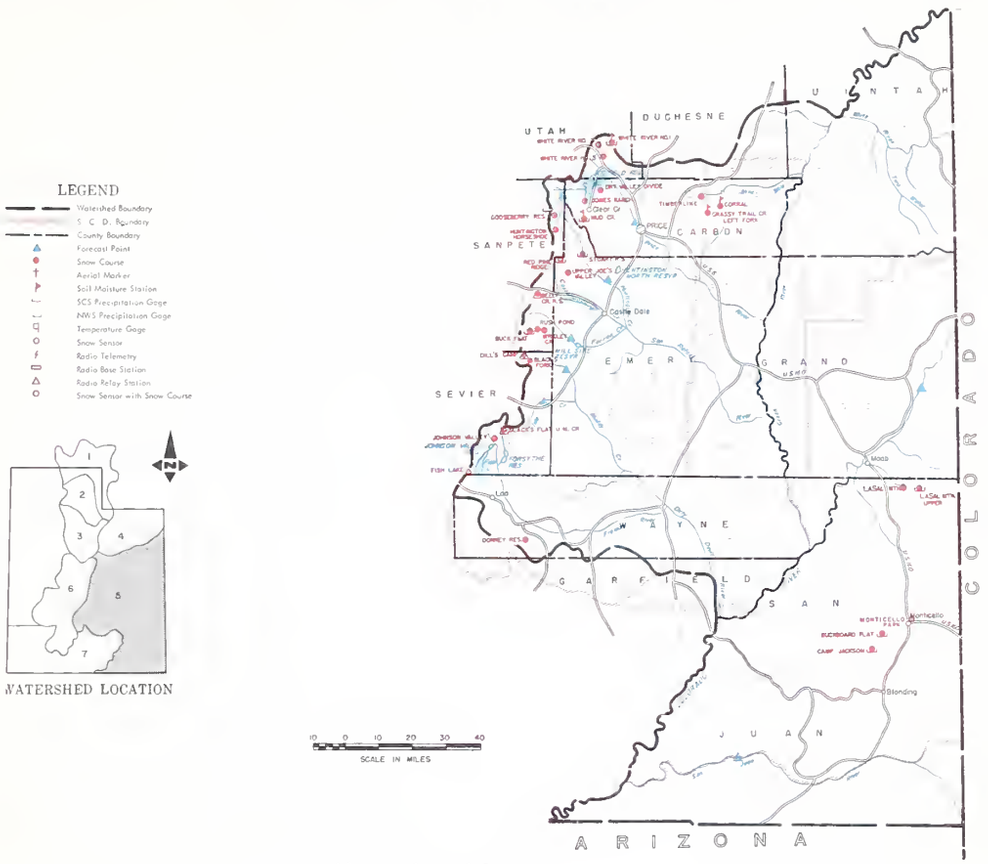
WATER SUPPLY OUTLOOK

CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



May 1, 1977

THE WATER SUPPLY OUTLOOK IS POOR

SNOW COVER exists only above the 10,000 foot level in the San Rafael River drainage. Premature melting of snow has taken place throughout this southeast Utah area.

PRECIPITATION as measured at mountain stations indicate monthly accumulations ranging from 3% of average at Fish Lake to 58% at LaSal Mountain Upper. The October-April totals range from 27% to 58% of average.

SOIL MOISTURE continues to be well below average.

RESERVOIR STORAGE is near average, however, dry weather has caused heavier than normal use at this early point in the year.

STREAMFLOW FORECASTS have been lowered this month due to the continued warm, dry weather. May-July runoff forecasts range from 8% of average for Price near Heiner to 29% for Colorado near Cisco. Scofield Reservoir is expected to get only 15% of its average inflow, while Huntington Creek will run at only 22% of average. San Juan near Bluff is forecast at 27% for the April-July period and the Green River at Green River, Utah 28% of average.

USDA-SCS-PORTLAND, OREG. 1975 M7-OL-22027-5

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CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year[2]	PAST RECORD THOUSAND ACRE FEET Average †
PRICE RIVER					
Gooseberry Creek nr Scofield	2.2	23	May-July	--	9.5
Scofield Reservoir Inflow	4.3	15	May-July	--	29
Price nr Heiner[1]	4.0	8	May-July	--	52
SAN RAFAEL RIVER					
Huntington Crk nr Huntington	9.2	22	May-July	--	41
Cottonwood Crk nr Orangeville	8.6	20	May-July	--	43b
Ferron Creek nr Ferron	7.5	23	May-July	--	33
DIRTY DEVIL RIVER					
Seven Mile Creek nr Fish Lake	1.5	27	May-July	--	5.6b
Muddy Creek nr Emery	4.0	25	May-July	--	15.8
UPPER COLORADO RIVER					
Colorado nr Cisco, Utah	836	29	Apr-July	3599.4	2835
Green at Green River, Utah	780	28	Apr-July	--	2839
Mill Creek nr Moab	1.0	26	May-July	46	3.8
Navajo Reservoir Inflow	191	32	Apr-July	--	597
San Juan nr Bluff, Utah	233	27	Apr-July	--	853

1 - Observed flow corrected for change in storage and diversions

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
PRICE RIVER	4	0	0
MILL CREEK	2	0	0
SAN JUAN RIVER	2	0	0
SAN RAFAEL RIVER	7	3	2
FREMONT RIVER	3	0	0

RESERVOIR STORAGE (Thousand Acre Feet)

2 - Provisional flows - subject to correction

BASIN OR STREAM	RESERVOIR	Useable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
PRICE RIVER	Scofield	65.8	30.7	49.5	34.4
SAN RAFAEL	Huntington North	3.9	3.8	4.2	3.3
	Joe's Valley	54.6	32.9	50.5	34.3
	Mill Site	16.7	3.6	7.2	--
SAN JUAN	Navajo	1696.0	1092.0	1121.7	--

+ - 1958-72 15-Year Average Period
b - Average of all past record - less than 15 years

PEAK FLOWS *

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Ferron Creek nr Ferron	Peaks below previous minimums. Most have already occurred.	419
Muddy Creek nr Emery		157

* - Maximum mean daily peak flows

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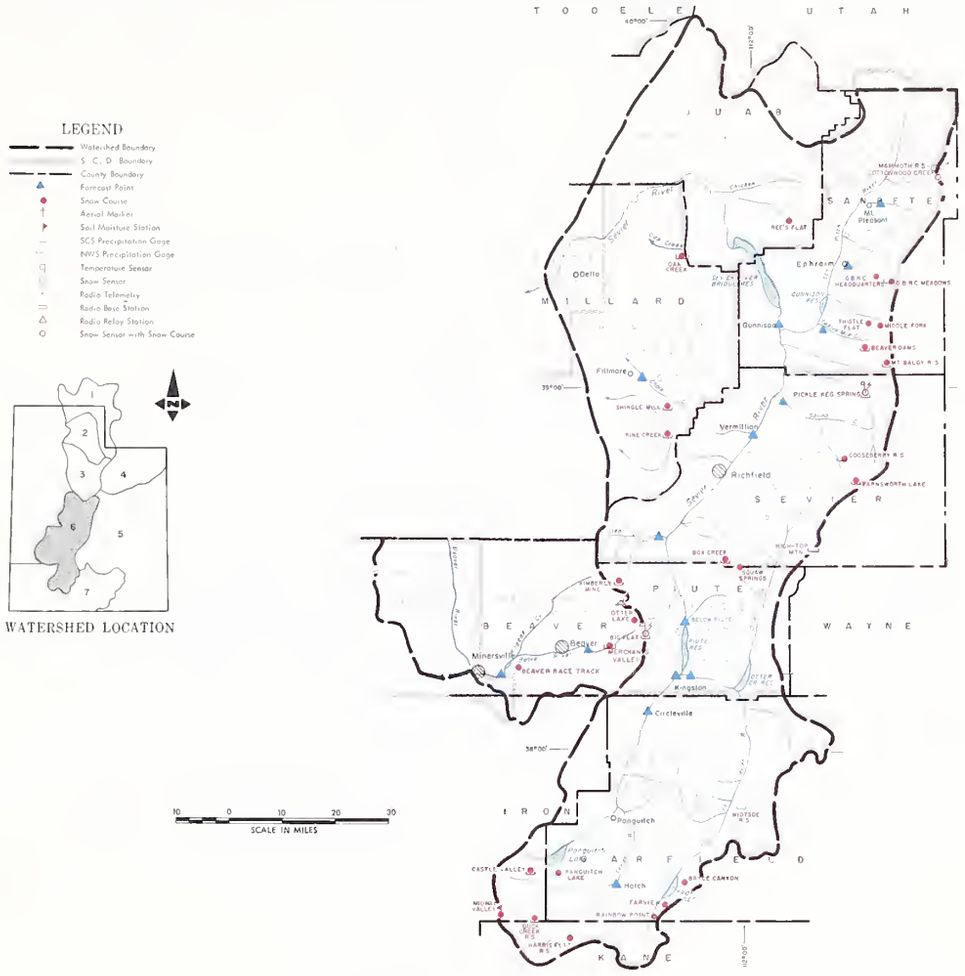
WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES - DIVISION OF WATER RIGHTS



MAY 1, 1977

THE WATER SUPPLY OUTLOOK IS POOR

SNOW COVER ranges from 0% on the East Fork, South Fork and Chalk Creek to 13% on the Lower Sevier and 23% of the May 1 average on Beaver River. Only Kimberly Mine on the Upper Sevier had any snow and it had only one inch with 0.5 inches of water content.

PRECIPITATION at mountain stations ranged from 3 to 20% of the April average and the total water year October-April ranges from 34 to 71% of average.

SOIL MOISTURE is well below average.

RESERVOIR STORAGE is below average with Otter Creek, Piute and Sevier Bridge now holding a total of 173,100 acre feet or 89% of the May 1 average. Gunnison is 23% and Minersville is 67% of average. None of these reservoirs are expected to improve this year since storage is already being used.

STREAMFLOW FORECASTS range from 9% of average for the May-June period on Salina Creek to 33% for Ephraim Creek. Sevier River is forecast 25% at Hatch, 23% Circleville, 10% Kingston, and 21% at Gunnison. Beaver River is forecast 24% at Beaver and 15% for Minersville Inflow. Chalk Creek is forecast 28% of the May-July average. Water supply shortages are expected very early this season in this area as is indicated by only 15 to 50% of primary rights expected to be supplied this season and low flow expected very early on most streams.

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USDA-SCS PORTLAND, OR 1976 M7-OL-22027-6

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

STREAMFLOW FORECASTS

BASIN STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 2	PAST RECORD THOUSAND ACRE FEET Average +
SEVIER RIVER					
Sevier at Hatch	8.5	25	May-July	21.9	34
Sevier nr Circleville	4.8	23	May-July	--	21
Sevier nr Kingston	1.5	10	May-July	4.8	15
Inflow Kingston to Vermillion Dam	9.1	18	Apr-June	--	50
Antimony Crk nr Antimony	1.6	29	May-July	--	5.6
East Fork Sevier nr Kingston[1]	1.9	23	May-July	--	8.3
Sevier below Piute Dam[1]	2.4	11	May-July	--	22
Clear Crk nr Sevier (abv Div)	3.1	24	May-July	9.0	12.7
Salina Creek at Salina	0.6	9	May-June	3.1	7.0
Inflow Vermillion Dam to Gunnison	12.0	31	Mar-June	--	39
Sevier nr Gunnison	6.0	21	May-July	15.0	28
Chalk Creek nr Fillmore	3.5	28	May-July	--	12.3
SAN PITCH RIVER					
Pleasant Crk nr Mt. Pleasant	2.0	29	May-July	--	7.0
Ephraim Crk nr Ephraim	4.4	33	May-July	--	13.2b
BEAVER RIVER					
Beaver nr Beaver	4.2	24	May-July	7.7	17.6
North Creek nr Beaver (Comb North Fk and South Fk)	2.0	19	May-July	--	10.3
Minersville Reservoir Inflow[1]	0.7	15	May-June	--	4.7

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
UPPER SEVIER	8	1	1
EAST FORK SEVIER	5	0	0
SOUTH FORK SEVIER	6	0	0
LOWER SEVIER	10	14	13
CHALK CREEK	2	0	0
BEAVER RIVER	3	28	23

1 - Observed flow corrected for change in storage and diversions
2 - Provisional flows - subject to correction
b - Average of all past record - less than 15 years
+ - 1958-72 15-Year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
SEVIER RIVER	Gunnison	18.2	3.2	16.1	13.7
	Otter Creek	52.5	34.1	48.2	37.5
	Piute	71.8	25.1	48.2	43.8
	Sevier Bridge	236.0	113.9	188.4	114.1
BEAVER RIVER	Minersville (Rky Fd)	23.3	9.4	14.7	14.0

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
Beaver nr Beaver	Most peaks	212
Clear Creek nr Sevier	have already	170
Salina Creek nr Salina	occurred at	235
Sevier at Hatch	below	418
	previous	
	minimums	

* - Maximum mean daily peak flows

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Clear Ck nr Sevier-above Div.	5	July 2	July 28
Salina Ck at Salina	25	May 5	June 10
Sevier at Circleville	90	May 10	June 24
Sevier at Hatch (upper)	100	May 23	July 10

PRIMARY WATER RIGHT FORECASTS (PERCENT OF WATER RIGHT DELIVERED)

RIVER SECTION	Percent Forecast For This Year	Average Percent Delivered During 15 year Period+	Forecast Period
Panguitch Valley	75	82	April-Sept.
Circle Valley	30	65	April-Sept.
Sevier Valley	20	38	April-Sept.
Below Vermillion		55	April-Sept.

Inflow to Sevier Bridge Reservoir October 1 to March 31 was 96,700 feet.

Below Vermillion - No flows above 360 cfs are now expected.

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WATER SUPPLY OUTLOOK

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES - DIVISION OF WATER RIGHTS

MAY 1, 1977

THE WATER SUPPLY OUTLOOK IS POOR

SNOW COVER has melted except at the highest most protected areas. Brian Head snow course had only 8% of the May 1 average water content and all other areas were bare.

PRECIPITATION at mountain stations ranged from 0% at Long Flat and Little Grassy to 29% at Yankee Reservoir for April. The water year to date ranges from 45% at Long Flat to 62% of average at Yankee Reservoir.

SOIL MOISTURE is well below average.

RESERVOIR STORAGE is 18,127,000 acre feet in Lake Powell or 1,537,000 acre feet less than last year on May 1.

STREAMFLOW FORECASTS range from 15% of average for the Santa Clara for the May-June period to 33% of average for the Virgin near Virgin. Coal Creek is forecast at 18% of the May-July average and Lake Powell Inflow is now 25% of its April-July average. Streams in this area have probably already peaked and are expected to drop very rapidly unless above average precipitation helps to hold flows up.

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USDA-SCS-PORTLAND OR 1976 M7-OL-22027-7

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year 1	PAST RECORD THOUSAND ACRE FEET Average +
COAL CREEK					
Coal Creek near Cedar City	2.3	18	May-July	8.3	13.0
UPPER COLORADO					
Lake Powell Inflow	1690	25	Apr-July	- -	6881
VIRGIN RIVER					
Santa Clara near Pine Valley	0.4	15	May-June	1.8	2.7b
Virgin near Virgin	9.1	33	May-June	11.5e	28b

1 - Provisional flows - subject to correction
b - Average of all past record - less than 15 years
+ - 1958-72 15 Year average period
e - Estimated

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
COAL CREEK	3	0	0
PAROWAN CREEK	5	8	6
VIRGIN RIVER	3	0	0
ENTERPRISE TO NEW HARMONY	2	0	0

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
COLORADO	Blue Mesa	829.5	366.5	435.9	- -
	Lake Powell	25002.0	18127.0	19664.0	8370.8

PEAK FLOWS *

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
Virgin near Virgin	Most peaks have already occurred below previous minimums.	631b
Coal Creek near Cedar City		245

* - Maximum mean daily peak flows

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SNOW — PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	SNOW: THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	SNOW: PAST RECORD Water Content (inches) Last Year	Average +	PRECIPITATION: CURRENT INFORMATION Date of Reading	Month's Precipitation	Average +	FROM APPROX. OCT 1 TO DATE This Year	Average +	Percent of Average
GREAT BASIN											
UPPER BEAR RIVER (Above Harer, Idaho)											
Big Park	4/29	6	1.8	25.9	22.4						
Burts-Miller Ranch	4/25	0	0.0	0.0	1.5	4/25	.37	2.64a	6.51a	11.67a	56
CCC Camp	4/26	0	0.0	12.6	8.2						
Hayden Fork	4/25	14	4.6	14.8	15.8	4/25	.89	4.24a	12.38	24.72a	50
Kelly R.S.	4/29	0	0.0	23.1	19.2						
Monte Cristo R.S.	4/25	0	0.0	26.0	27.0	4/25	.61	5.46b	12.44	33.08b	38
Piney LaBarge	4/27	0	0.0	26.1	22.1a						
Poison Meadows	4/27	20	6.7	37.8	32.4						
Salt River Summit	4/26	3	1.2	20.4	13.9	4/26	.87	2.45	7.81	19.19	41
Snider Basin	4/27	0	0.0	19.9	14.4						
Stillwater Camp	4/25	0	0.0	6.5	8.4	4/25	.72	3.09	8.86	15.10	59
LOWER BEAR RIVER (Below Harer, Idaho)											
Cub River R.S.	4/25	0	0.0	0.0	1.0						
Dry Basin	4/26	12	4.6	- -	- -						
Emigrant Summit	4/25	6	2.1	- -	- -						
Franklin Basin	4/26	9	3.0	32.2	- -						
Garden City Summit	4/25	0	0.0	19.1	17.6	4/25	.49	3.64b	7.49	23.36b	32
Horseshoe Basin	4/25	11	4.1	- -	- -						
Klondike Narrows	4/25	0	0.0	16.2	15.3	4/25	.56	3.83b	8.40a	26.45b	32
Liberty Springs	4/25	27	11.8	- -	- -						
Little Bear (lower)	4/25	0	0.0	0.3	0.6						
Little Bear (upper)	4/25	0	0.0	5.2	4.0						
Steep Hollow #1	4/25	24	9.0	45.6	39.5b						
Steep Hollow #2	4/25	0	0.0	26.4	23.3						
Tony Grove Lake	4/25	0	0.0	38.1	- -						
Tony Grove R.S.	4/25	0	0.0	4.0	2.4	4/25	.37	3.29a	6.33	21.41a	30
Willow Flat	4/25	0	0.0	11.1	4.0	4/25	1.18	4.07	10.77	26.87	40
Worm Creek	4/25	0	0.0	- -	- -						
OGDEN RIVER											
Beaver Creek-Skunk Creek	4/25	0	0.0	6.7	4.7						
Ben Lomond Peak	4/25	0	0.0	38.1	35.4						
Ben Lomond (lower)	4/25	0	0.0	6.8	5.3	4/25	.69	4.59	7.09	29.32	24
Causey Dam						4/25	.29	2.33a	4.47	16.64a	27
Cutler Creek	4/25	0	0.0	24.5	24.9b						
Dry Bread Pond	4/25	0	0.0	17.4	16.8	4/25	.53e	4.39b	8.78a	25.16b	35
Sagebrush Flat	4/25	0	0.0	0.0	0.0	4/25	.28	2.56b	4.88	16.88b	29
WEBER RIVER											
Beaver Creek R.S.	4/25	0	0.0	0.0	1.5						
Chalk Creek #1	4/25	20	6.6	21.7	24.2						
Chalk Creek #2	4/25	10	2.2	14.0	13.5b						
Chalk Creek #3	4/25	0	0.0	0.4	2.2	4/25	.67	3.47b	8.97	15.59b	58
East Shingle Lake (A)	5/2	6	2.4	32.8	- -						
Farmington Canyon (lower)	4/25	16	5.9	23.4	21.2b	4/25	.83	5.67	15.41	30.92	50
Farmington Canyon (upper)	4/25	28	11.4	36.0	31.6b						
Farmington G.S.						4/25	1.04	5.21b	16.26	- -	- -
Horse Ridge	4/25	0	0.0	17.4	22.2b	4/25	.57	4.44a	11.12	30.66a	36
Kilfoil Creek	4/25	0	0.0	8.8	10.0a						
Lost Creek Reservoir	4/25	0	0.0	0.0	- -	4/25	.21	- -	- -	- -	- -
Park City Summit	4/28	0	0.0	- -	- -						
Parley's Canyon Summit	4/29	0	0.0	14.1	12.2	4/29	.78	4.71	13.90	26.73	52
Redden Mine (lower)	4/25	5	1.5	16.7	17.5						
Redden Mine (upper)						4/25	.47	5.04a	13.15	25.01a	53
Sergeant Lake (A)	5/2	0	0.0	8.1	- -						
Smith & Morehouse	4/25	0	0.0	6.7	7.8b	4/25	.00	3.94	10.06	22.03	46
PROVO RIVER & UTAH LAKE											
Beaver Creek Divide	4/25	0	0.0	0.0	- -						
Camp Altamont	4/25	0	0.0	2.8	6.1						
Clear Creek Ridge #1	4/26	0	0.0	16.8	16.6						
Clear Creek Ridge #2	4/26	0	0.0	8.1	9.1	4/26	.20	3.25	7.47	18.55	40
Clear Creek Ridge #3	4/26	0	0.0	0.0	0.2						
Dutchman R.S.	4/25	0	0.0	2.6	8.0	4/25	.79e	3.93	10.39a	24.88	42

USDA SCS PORTLAND, OREGON 1974 M7-0-22027Y

+ 1958-1972 period

SNOW — PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	SNOW: THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	SNOW: PAST RECORD Water Content (inches) Last Year	Average +	PRECIPITATION: CURRENT INFORMATION Date of Reading	Month's Precipitation	Average +	FROM APPROX. OCT 1 TO DATE This Year	Average +	Percent of Average
WEBER RIVER (continued)											
Hobble Creek Summit	4/25	0	0.0	4.2	6.5	4/25	.60e	3.05	7.92a	19.71	40
Packard Canyon	4/25	0	0.0	0.0	0.8						
Payson R.S.	4/26	0	0.0	15.4	12.6	4/26	.10	3.48	10.45	21.17	49
Rock Bridge	4/26	0	0.0	7.9	3.3						
Soapstone R.S.	4/25	0	0.0	3.9	6.5	4/25	.52	3.24	8.41	18.93	44
South Fork R.S.	4/26	0	0.0	0.0	- -						
Timpanogos Cave Camp	4/26	0	0.0	0.0	- -						
Timpanogos Divide	4/25	0	0.0	18.5	20.0	5/1	.60	4.07	8.50	28.57	38
Trial Lake	4/25	16	5.7	23.5	25.7	4/25	.62	4.42	11.24	27.44	41
JORDAN RIVER & GREAT SALT LAKE											
Bevans Cabin	4/30	0	0.0	0.0	3.4						
Deseret Peak	4/27	0	0.0	- -	- -						
Lamb's Canyon	4/29	0	0.0	11.2	8.6						
Lamb's Canyon #2	4/29	0	0.0	12.0	- -	4/29	.69e	- -	9.67a	- -	- -
Middle Canyon	4/30	0	0.0	5.7	7.6	4/30	.45	4.16b	14.00	20.81b	67
Mill Creek	4/29	18	7.0	22.4	- -						
Mill D South Fork	4/27	0	0.0	12.2	14.4						
Mt. Dell Dam						4/30	.42	2.90	6.99a	16.24	43
Rocky Basin-Settlement Canyon	4/27	18	7.2	29.0	26.9	4/27	1.07	5.25a	13.83	31.60a	44
Silver Lake (Brighton)	4/27	1	0.1	27.2	26.9	4/30	.50	5.06	14.80	32.75	45
Snow Bird (Gad Valley)	4/28	23	9.6	- -	- -						
Vernon Creek	4/30	0	0.0	0.0	- -	4/30	.50	- -	7.83	- -	- -
UPPER SEVIER RIVER (South of Richfield, Utah)											
Box Creek	4/26	0	0.0	11.2	11.1	4/26	.30	2.71	10.13	16.41	62
Bryce Canyon	4/29	0	0.0	- -	- -						
Castle Valley	4/25	0	0.0	5.0	6.6	4/25	.25	2.97	9.02	17.52	51
Duck Creek R.S.	4/25	0	0.0	7.8	6.1	4/25	.00	3.12	7.00	20.37	34
Farview	4/29	0	0.0	- -	- -						
Harris Flat	4/25	0	0.0	0.0	1.4						
Kimberly Mine	4/26	1	0.5	15.8	13.8	4/26	.70	3.69b	11.74	21.01b	56
Midway Valley	4/25	0	0.0	21.1	20.9	4/25	.35	- -	9.15	- -	- -
Panguitch Lake	4/25	0	0.0	0.0	0.2	4/25	.00	1.22	5.97a	8.41	71
Rainbow Point	4/29	0	0.0	- -	- -						
Squaw Springs	4/26	0	0.0	3.4	3.3						
Widtsoe R.S.						4/25	.16	.79	2.01a	5.97	34
LOWER SEVIER RIVER (Including San Pitch River)											
Beaver Dams	4/25	0	0.0	5.4	6.5	4/25	.00	2.81	7.83a	16.08	49
Farnsworth Lake	4/26	23	8.8	19.6	20.4	4/26	.80	4.33	15.25	23.43	65
G.B.R.C. Headquarters	4/26	0	0.0	12.6	15.4	4/26	.00	4.00	11.05	21.60	51
G.B.R.C. Majors						4/29	.32	2.20	4.85	12.00	40
G.B.R.C. Meadows	4/26	15	6.5	24.0	24.6	4/26	.00	4.80	13.26	27.20	49
G.B.R.C. Oaks						4/29	.51	2.80	6.51	14.60	45
Gooseberry R.S.	4/26	0	0.0	8.8	8.1	4/26	.50	3.13b	10.55	16.40b	64
Mammoth-Cottonwood Creek	4/26	0	0.0	16.7	18.2b	4/26	.10	3.55b	10.25	22.19b	46
Middle Fork	4/25	32	12.8	- -	- -						
Mt. Baldy R.S.	4/25	10	3.2	19.5	24.2	4/25	.00	3.56b	10.20a	20.84b	49
Oak Creek	5/2	0	0.0	8.4	- -	5/2	.88	2.69a	9.47	17.33a	55
Pickle Keg Springs	4/25	0	0.0	9.0	14.4b						
Pine Creek	4/26	0	0.0	11.2	10.8	4/26	1.00	5.28	18.20	27.70	66
Ree's Flat	4/26	0	0.0	- -	- -	4/26	.00	- -	8.83a	- -	- -
Shingle Mill	5/2	0	0.0	3.5	1.9b	5/2	1.01	3.56b	10.56	17.27b	61
Thistle Flat	4/25	4	1.4	- -	- -						
BEAVER RIVER											
Beaver Race Track	4/30	0	0.0	0.0	- -						
Beaver Canyon Power House						4/30	.62	2.09	6.41	11.00	58
Big Flat	4/26	15	5.6	15.4	18.6	4/26	.15	3.34b	9.10	19.73b	46
Merchant's Valley	4/26	0	0.0	3.4	4.2	4/26	.00	3.18a	9.64	17.01a	57
Otter Lake	4/26	7	2.5	9.6	13.0						

USDA SCS PORTLAND OREGON 1974 M7-0-22027Y

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SNOW

PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	SNOW: THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	SNOW: PAST RECORD Water Content (inches) Last Year	Average +	PRECIPITATION: CURRENT INFORMATION Date of Reading	Month's Precipitation	Average +	FROM APPRDX. OCT 1 TO DATE This Year	Average +	Percent of Average
PAROWAN CREEK											
Birch Crossing	4/25	0	0.0	0.0	- -						
Brian Head	4/25	6	1.9	19.8	22.6a						
Ed Ward Flat	4/25	0	0.0	0.0	2.2						
Tall Poles	4/25	0	0.0	10.6	- -	4/25	.75	4.21a	10.90	22.10a	49
Yankee Reservoir	4/25	0	0.0	4.5	5.7	4/25	.75	2.55	8.95	14.34	62
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek	4/25	0	0.0	0.0	0.0b	4/25	.00	1.70b	- -	14.73b	- -
Long Flat	4/25	0	0.0	0.0	0.4b	4/25	.00	2.06b	5.85	13.01b	45
COAL CREEK											
Cedar City Golf Course	4/25	0	0.0	0.0	- -						
SUSC Ranch	4/25	0	0.0	0.0	- -						
COLORADO RIVER DRAINAGE											
UPPER GREEN RIVER - UTAH											
Ashley-Twin Lakes (A)	5/2	3	1.2	19.5	- -						
Black's Fork G.S.-East Fork	4/25	10	2.5	6.1	9.8b	4/25	.98	3.24b	9.40	15.11b	62
Black's Fork Junction	4/25	4	1.2	5.4	8.2b	4/25	.65	2.94b	8.49	14.47b	59
Buck Pasture (A)	5/2	6	2.4	14.9	- -						
Burnt Creek	4/26	0	0.0	1.8	- -	4/26	2.45	3.06b	6.35	12.07b	53
Grizzly Ridge	4/26	0	0.0	11.6	- -	4/26	2.28	3.25b	7.75	16.69b	46
Henry's Fork (A)	5/2	8	3.2	12.0	- -						
Hewinta G.S.	4/25	9	2.9	7.5	10.2b	4/25	1.33	3.39b	9.63	15.89b	60
Hickerson Park	4/25	7	2.2	6.2	5.2b	4/25	1.20	3.71a	9.35	12.00a	78
Highline Trail	4/25	24	6.9	16.6	- -	4/25	1.92	- -	7.86	- -	- -
King's Cabin (lower)	4/25	0	0.0	8.3	6.1						
King's Cabin (upper)	4/25	0	0.0	12.4	9.4	4/25	1.40	2.95	8.59	14.21	60
Reynolds Park (A)	5/2	2	0.8	20.5	- -						
Spirit Lake	4/25	17	5.5	14.0	15.4	4/25	1.42	4.54b	11.16	18.70b	60
Steel Creek Park	4/25	33	8.9	16.8	18.9b						
Trout Creek	4/25	0	0.0	12.8	- -	4/25	1.40	- -	- -	- -	- -
Windy Park (A)	5/2	0	0.0	14.8	- -						
DUCHESNE RIVER											
Atwood Lake (A)	5/2	4	1.6	8.1	- -						
Brown Duck Ridge	4/25	16	4.6	17.9	- -	4/25	.67	- -	- -	- -	- -
Chepeta-Whiterocks (A)	5/2	3	1.2	16.4	- -						
Currant Creek	4/25	0	0.0	0.0	1.6b	4/25	.35	2.28b	6.30	15.90b	40
Daniels-Strawberry Summit	4/25	0	0.0	9.1	7.9	4/25	.60	2.92	8.70	20.53	42
East Portal	5/2	0	0.0	0.0	- -	5/2	.26	3.19b	7.45	21.36b	35
Five Points Lake (A)	5/2	3	1.2	30.5	- -						
Indian Canyon	4/25	0	0.0	9.8	10.2b	4/25	.50	2.38b	4.89a	15.66b	31
Jackson Park	4/25	7	2.2	15.2	- -	4/25	.69	- -	8.29	- -	- -
Lake Basin	4/25	26	9.1	30.0	- -	4/25	.55	- -	8.13	- -	- -
Lakefork Basin (A)	5/2	6	2.4	31.1	- -						
Lakefork Mountain	4/25	0	0.0	11.8	11.9	4/25	.87	2.99	8.64	15.23	57
Lakefork Mountain #2	4/25	0	0.0	- -	3.7						
Lakefork Mountain #3	4/25	0	0.0	0.0	1.2						
Lightning Lake (A)	5/2	12	4.8	28.9	- -						
Mosby Mountain	4/25	0	0.0	11.1	9.6	4/25	.68	2.43	- -	13.26a	- -
Paradise Park	4/25	0	0.0	17.3	13.6	4/25	.55	3.17	6.94	18.06	38
Rock Creek Ranch	4/25	0	0.0	0.3	0.6b	4/25	.31	2.27	5.68	13.20	43
Strawberry Divide	5/2	0	0.0	- -	- -						
PRICE RIVER											
Dry Valley Divide	4/25	0	0.0	0.0	3.8						
Gooseberry Reservoir	4/26	0	0.0	18.2	17.0	4/26	.05	3.40	9.30	21.58	43
Jones Ranch	4/25	0	0.0	0.0	0.1b						
Mud Creek	4/25	0	0.0	4.4	7.7	4/25	.20	2.70	6.40	16.90	38
White River #1	4/25	0	0.0	6.7	9.1	4/25	.30	2.61	6.45	15.88	41
White River #2	4/25	0	0.0	0.0	1.1						
White River #3	4/25	0	0.0	0.0	0.3						

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SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (inches)	THIS YEAR Water Content (inches)	PAST RECORD Water Content (inches) Last Year	PAST RECORD Water Content (inches) Average +
SAN RAFAEL RIVER					
Buck Flat	4/25	0	0.0	11.1	15.4
Huntington-Horseshoe	4/26	14	5.1	21.6	- -
Orange Olsen	4/25	0	0.0	0.0	- -
Red Pine Ridge	4/25	0	0.0	12.3	14.6
Rush Pond	4/25	0	0.0	5.5	10.7
Seeley Creek R.S.	4/26	4	1.4	11.4	17.2
Stuart R.S.	4/25	0	0.0	0.0	1.4
Upper Joe's Valley	4/25	0	0.0	2.1	5.5b
Wrigley Creek	4/25	0	0.0	4.6	7.6
MUDDY RIVER					
Black's Fork	4/25	0	0.0	7.8	- -
Dill's Camp	4/25	0	0.0	7.1	- -
FREMONT RIVER					
Black's Flat-U.M. Creek	4/26	0	0.0	7.9	7.8
Fish Lake	4/26	0	0.0	2.4	3.2
Johnson Valley	4/26	0	0.0	3.0	2.8
SOUTHEASTERN UTAH DRAINAGES					
Buckboard Flat	4/27	0	0.0	8.8	5.8
Camp Jackson	4/27	0	0.0	2.4	4.5b
LaSal Mountain (lower)	4/27	0	0.0	0.0	3.1b
LaSal Mountain (upper)	4/27	0	0.0	11.0	11.7b
Monticello City Park	4/27	0	0.0	0.0	- -
ESCALANTE RIVER					
Widtsoe-Escalante Summit	4/25	0	0.0	4.9	2.8
Widtsoe-Escalante #2	4/25	0	0.0	8.0	6.1
Widtsoe-Escalante #3	4/25	0	0.0	10.4	7.8b
VIRGIN RIVER					
Kolob-Crystal	4/25	0	0.0	16.6	- -
Long Valley Junction	4/25	0	0.0	0.0	0.1b
Webster Flat	4/25	0	0.0	16.0	11.4

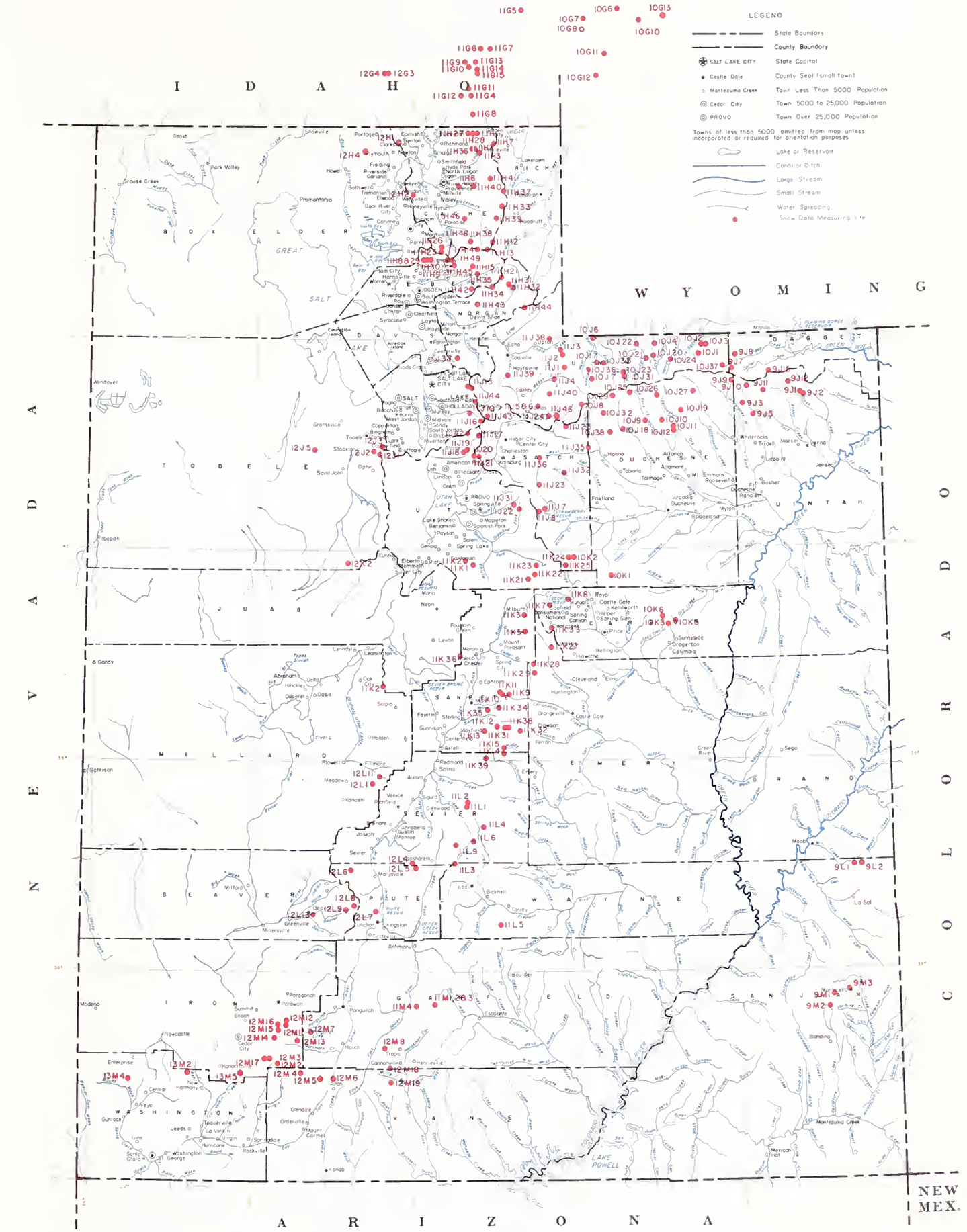
PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	CURRENT INFORMATION Date of Reading	CURRENT INFORMATION Month's Precipitation	CURRENT INFORMATION Average +	FROM APPROX. OCT 1 TO DATE This Year	FROM APPROX. OCT 1 TO DATE Average +	FROM APPROX. OCT 1 TO DATE Percent of Average
SAN RAFAEL RIVER						
Buck Flat	4/25	.50	2.98	9.65	20.28	48
Huntington-Horseshoe						
Orange Olsen	4/25	.00	1.08a	4.01a	10.06a	40
Red Pine Ridge	4/25	.25	3.50	11.70	23.81	49
Rush Pond						
Seeley Creek R.S.	4/26	.05	- -	- -	- -	- -
Stuart R.S.	4/25	.00	2.16	4.85	14.32	34
Upper Joe's Valley						
Wrigley Creek						
MUDDY RIVER						
Black's Fork						
Dill's Camp	4/25	.15	- -	7.75	- -	- -
FREMONT RIVER						
Black's Flat-U.M. Creek	4/26	.10	2.32	7.99	14.47	55
Fish Lake	4/26	.05	1.72b	6.40	11.08b	58
Johnson Valley						
SOUTHEASTERN UTAH DRAINAGES						
Buckboard Flat	4/27	.58	2.51	5.49	20.53	27
Camp Jackson	4/27	.52	2.13b	5.26	18.05b	29
LaSal Mountain (lower)						
LaSal Mountain (upper)	4/27	1.51	2.59b	9.32	18.26b	51
Monticello City Park						
ESCALANTE RIVER						
Widtsoe-Escalante Summit						
Widtsoe-Escalante #2						
Widtsoe-Escalante #3	4/25	.50	2.84	6.88	15.44	45
VIRGIN RIVER						
Kolob-Crystal						
Long Valley Junction						
Webster Flat	4/25	.70	3.81	11.60	23.08	50

a - Partly Estimated
b - Average of all past record - less than 15 years
+ - 1958-72 15 year average period
(A) - Aerial Marker Reading

USDA SCS-PORTLAND OREGON-1974 M7-0-22027Y

+ 1958-1972 period.



SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1977

USGS National Atlas 1:1,000,000 Albers Equal-Area projection (1967) used as source for base map and adapted for SCS use.

SCALE 1:1,400,000

ALBERS EQUAL AREA PROJECTION

USDA SCS PORTLAND OR 1976 M7-OL-22027

INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

NO	STATE	NAME	SEC	TWP	RGE	ELEV.
		UPPER BEAR RIVER (above Horer, Idaho)				
10G11	W	Big Fork	7	27N	117W	8,700
10J6P	U	Burts-Miller Ranch	19	3N	10E	7,900
10G7	W	CCC Camp x	9	29N	118W	7,500
10J36p	U	Gold Hill	11	1N	9E	10,000
10J7P	U	Hayden Fork	25	1N	9E	9,400
10G12	W	Kelly Ranger Station	13	26N	118W	8,200
10G17S	W	LaBarge Guard Station x	7	30N	116W	9,000
10J35p	U	Lily Lake	34	2N	10E	9,300
11H12PST	U	Monte Cristo R.S.	4	8N	4E	8,960
10G10	W	Piney LaBarge x	19	29N	114W	8,820
10G6	W	Poison Meadows x	29	30N	116W	8,500
10G8P	W	Salt River Summit x	32	29N	118W	7,900
10G13MP	W	Snyder Basin x	15	29N	115W	8,400
10J17P	U	Stillwater Camp	32	2N	10E	8,550
		LOWER BEAR RIVER (below Harer, Idaho)				
11H37p	U	Bug Lake	18	11N	5E	7,950
11H36p	U	Bunchgrass	5	13N	3E	8,400
11G11	I	Christensen Ranch	27	13S	41E	5,600
11H38p	U	Cinnaman Creek	5	8N	3E	7,300
12H1p	U	Clarkston Mountain	29	14N	2W	6,300
11G12	I	Cub River Ranger Station	5	15S	41E	5,400
11H33P	U	Curtis Creek	12	10N	4E	8,450
11H39p	U	Deer Springs	34	10N	4E	8,400
11G14a	I	Dry Basin	30	13S	42E	7,900
12G4	I	Dry Creek Flat	31	13S	37E	6,350
11G6	I	Emigrant Summit	21	12S	42E	7,350
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6,500
11G8MPST	I	Franklin Basin	1	16S	41E	8,000
11H7MP	U	Garden City Summit	34 & 35	14N	4E	7,600
13H4SP	U	George Peak	4	13N	4W	9,000
12H2p	U	Hell Canyon	24	11N	2W	6,400
11H40p	U	Herd Hollow	4	11N	3E	7,000
11G15a	I	Horseshoe Basin	31	13S	42E	8,000
11H1MP	U	Klondike Narrows	10	14N	3E	7,400
11G13	I	Liberty Springs	7	13S	42E	8,240
11H26	U	Little Bear (lower)	15	8N	1E	6,000
11H25P	U	Little Bear (upper)	22	8N	1E	6,550
11H6	U	Mt. Logan	3	11N	2E	9,000
12G3	I	Oxford Mountain	32	13S	37E	6,800
11H46p	U	Paradise Canyon	36	10N	2E	7,650
11G5	I	Slug Creek Divide	15	10S	44E	7,225
11H27	U	Steep Hollow #1	7	14N	3E	8,500
11H28	U	Steep Hollow #2	9	14N	3E	7,700
11G9	I	Strawberry Creek	9	13S	41E	5,800
11G10	I	Strawberry Mink Divide	14	13S	41E	6,800
11H2PST	U	Tony Grove Lake	5	13N	3E	7,400
11H3M	U	Tony Grove Ranger Station	11	13N	3E	6,250
11H41p	U	Trigara Springs	29	12N	4E	7,600
11G4P	I	Willow Flat	2	15S	41E	6,100
		OGDEN RIVER				
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150
11H8PST	U	Ben Lomond Peak	3	7N	1W	8,000
11H9P	U	Ben Lomond (lower)	1	7N	1W	6,000
11H30P	U	Ben Lomond Trail	2	7N	1W	6,000
11H35p	U	Causey Dam	34	7N	3E	5,500
11H29	U	Cutler Creek	3	7N	1W	6,780
11H13MP	U	Dry Bread Pond	19	8N	4E	8,230
11H34p	U	Guilder's Peak	21	6N	4E	8,050
11H42p	U	Magpie	29	6N	3E	7,700
11H45p	U	Middle Fork Ogden	16	7N	2E	8,420
11H49	U	Powder Mountain Hideaway	6	7N	2E	8,250
11H48	U	Powder Mountain Sundown	1	7N	1E	8,400
11H15P	U	Sagebrush Flat	21	7N	3E	6,300
		WEBER RIVER				
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500
11J1P	U	Chalk Creek #1	4	1N	8E	9,100
11J2MP	U	Chalk Creek #2	17 & 20	2N	8E	7,900
11J3MP	U	Chalk Creek #3	7	2N	8E	7,500
11J12P	U	Farmington Canyon (lower)	14	3N	1E	6,950
11J11PST	U	Farmington Canyon (upper)	26	3N	1E	8,000
11H44p	U	Francis Canyon	29	5N	6E	7,400
11J45	U	East Shingle Lake	6	3N	10W	9,800
11J37p	U	Hardscrabble	16	2N	2E	6,500
11H43p	U	Hoodoo Knoll	22	5N	3E	8,350
11H21PST	U	Horse Ridge	1	6N	4E	8,260
11H31P	U	Kilfoil Creek	20	6N	5E	7,300
11H32P	U	Lost Creek	27	6N	5E	6,125
11J43	U	Park City Summit	20	2S	4E	9,300
11J15PTS	U	Parley's Canyon Summit	5	1S	3E	7,500
11J38p	U	Porcupine	22	3N	7E	8,100
11J6	U	Redden Mine (lower)	1	2S	6E	8,500
11J5P	U	Redden Mine (upper)	1	2S	6E	9,000
11J39p	U	Sergeont Lakes	17	1N	5E	8,400
11J40p	U	Shingle Mill Flat	15	1S	7E	9,900
11J4PST	U	Smith & Morehouse	25	1N	7E	7,600
		PROVO RIVER & UTAH LAKE				
11J20	U	Camp Altamont	29	4S	3E	7,300
11K21PST	U	Clear Creek Ridge #1	18	11S	6E	9,200
11K22PST	U	Clear Creek Ridge #2	9	11S	6E	8,000
11K23	U	Clear Creek Ridge #3	27	10S	6E	6,600
11J17P	U	Dutchman R.S.	27	3S	3E	7,560
11J22P	U	Hobble Creek Summit	27	7S	5E	7,420
11J36P	U	Lake Creek	36	4S	6E	9,100
11J31P	U	Packard Canyon	21	7S	5E	6,400
11K1P	U	Payson R.S.	30	10S	3E	8,050
11K2	U	Rock Bridge	14	10S	2E	6,750
11J25P	U	Soapstone R.S.	9	3S	8E	7,800
11J19	U	South Fork R.S.	24	4S	2E	6,100
11J18P	U	Timpanogos Cave Camp	27	4S	2E	5,500
11J21P	U	Timpanogos Divide	33	4S	3E	8,140
10J8PST	U	Trial lake	5	2S	9E	9,800
		JORDAN RIVER & GREAT SALT LAKE				
11J46PST	U	Beaver Creek Divide	25	2S	7E	8,000
12J2	U	Bevan's Cabin	24	4S	4W	6,450
12J5p	U	Deseret Peak	15	4S	7W	9,250
11J41P	U	Lamb's Canyon #2	21	1S	3E	7,400
12J3P	U	Middle Canyon	8	4S	3W	7,000
11J44	U	Mill Creek	32	1S	3E	6,500
11J10	U	Mill D South Fork	18	2S	3E	7,400
12J1P	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900
11J16P	U	Silver Lake (Brighton)	35	2S	3E	8,725
11J42	U	Snow Bird (Gad Valley)	18	3S	3E	10,000
12K2PST	U	Vernon Creek	21	10S	5W	7,500
		UPPER SEVIER RIVER (South of Richfield, Utah)				
12L4P	U	Box Creek	33	26S	2W	9,800
12M8	U	Bryce Canyon	36	36S	4W	8,000
12M13P	U	Castle Valley	23	36S	8W	9,700
12M4P	U	Duck Creek R.S.	11	38S	8W	8,700
12M18	U	Farview	32	37S	4W	8,200
12M5	U	Harris Flat	24	38S	7W	7,700
11L9P	U	High-Top Mountain	36	25S	1E	11,400
12L6P	U	Kimberly Mine	11	27S	5W	9,300
12M2M	U	Midway Valley	26	37S	9W	9,800
12M7P	U	Panguitch Lake	4 & 5	36S	7W	8,200
12M19	U	Rainbow Point	29	38S	4W	9,100
12L5	U	Squaw Springs	3	27S	2W	9,300
11M4P	U	Widtsoe R.S.	22	34S	2W	7,600
		LOWER SEVIER RIVER (Including San Pitch River)				
11K13P	U	Beaver Dam	27	19S	3E	8,000
11L1P	U	Farnsworth Lake	27 & 33	23S	2E	9,900
11K11P	U	G.B.R.C. Headquorters	21	17S	4E	8,700
11K10	U	G.B.R.C. Meadows	26 & 27	17S	4E	10,000
11L2P	U	Gooseberry R.S.	22	23S	2E	8,400
11K3MPST	U	Mammoth R.S.-Cottonwood Creek	13	13S	5E	8,800
11K34	U	Middle Fork	16	18S	4E	9,600
11K12P	U	Mt. Baldy R.S.	19	19S	4E	9,500
11K2P	U	Oak Creek	9	17S	3W	7,760
11K39PS	U	Pickle Keg Springs	4	21S	3E	9,600
12L1PS	U	Pine Creek	24	22S	4W	8,700
11K36	U	Rees's Flat	20	15S	2E	7,300
12L11P	U	Shingle Mill	5	22S	3W	6,200
11K35	U	Thistle Flat	23	18S	3E	8,500
		BEAVER RIVER				
12L13	U	Beaver Race Track	23	29S	7W	6,020
12L7PST	U	Big Flat	18	29S	4W	10,290
12L9PS	U	Merchant's Valley	8 & 9	29S	5W	8,200
12L8	U	Otter Lake	1	29S	5W	9,300
		PAROWAN CREEK				
12M16	U	Birch Crossing	23	35S	9W	8,100
12M14	U	Brian Head	10	36S	9W	10,000
12M12	U	Ed Ward Flat	17	35S	9W	8,300
12M15P	U	Toll Poles	26 & 35	35S	9W	8,800
12M11P	U	Yankee Reservoir	20	35S	8W	8,700
		ENTERPRISE TO NEW HARMONY DRAINAGES				
13M4MP	U	Little Grassy Creek	15	38S	17W	6,100
13M2MPST	U	Long Flat	2	38S	14W	8,000
		COAL CREEK				
12M17	U	SUSC Ranch	18	37S	9W	8,200

COLORADO RIVER DRAINAGE

NO	STATE	NAME	SEC	TWP	RGE	ELEV
		UPPER GREEN RIVER IN UTAH (above Duchesne River)				
9J11aP	U	Ashley Twin Lakes	20	1S	19E	10,500
10J21P	U	Black's Fork G.S.-East Fork	25	2N	12E	9,300
10J22P	U	Black's Fork Junction	33	3N	12E	8,925
10J23a	U	Buck Posture	14	1N	11E	9,700
9J14P	U	Burnt Creek	4	1N	20E	7,900
9J13P	U	Grizzly Ridge	8	1S	22E	8,500
10J24ap	U	Henry's Fork	29	2N	14E	10,000
10J4P	U	Hewinta G.S.	33	3N	13E	9,500
9J8P	U	Hickerson Park	24	2N	17E	9,100
9J15p	U	Highline Trail	23	1N	19E	10,250
10J1	U	Hole-in-the-Rock	13	2N	15E	9,150
10J3	U	Hole-in-the-Rock G.S.	32	3N	16E	8,300
9J2	U	King's Cabin (lower)	23 & 26	1S	21E	8,600
9J1PST	U	King's Cabin (upper)	22	1S	21E	8,730
10J37p	U	McCoy Park	6	1N	17E	10,680
10J2	U	Middle Beaver Creek	31	3N	16E	8,550
9J10aP	U	Reynolds Park	9	1S	18E	10,400
9J7P	U	Spirit Lake	10	1N	17E	10,300
10J20p	U	Steel Creek Park	17	2N	13E	9,900
9J16PST	U	Trout Creek	9	1S	20E	9,200
10J31P	U	Takewanna Peak	23	1N	11E	9,800
9J12ap	U	Windy Park	1	1S	20E	9,400
		DUCHESNE RIVER				
10J27ap	U	Atwood Basin	21	1S	15E	10,250
10J9PST	U	Brown Duck Ridge	2	2N	6W	10,300
9J9ap	U	Chepeta-Whiterocks Lakes	3	1S	17E	10,300
11J32MP	U	Currant Creek	31	1S	10W	7,800
11J23MP	U	Daniels-Strawberry Summit	20	2S	12W	8,000
11J7P	U	East Portal	36	7S	6E	7,560
10J26ap	U	Five Point Lake	28	4N	5W	11,000
10K1PST	U	Indian Canyon	2	11S	10E	9,100
10J19P	U	Jackson Park	23	3N	4W	11,300
10J38P	U	Lake Basin	23	3S	8W	10,800
10J25a	U	Lakefork Basin	13	4N	7W	11,100
10J10PST	U	Lakefork Mountain	2 & 3	2N	5W	10,200
10J11	U	Lakefork Mountain #2	17	2N	4W	8,900
10J12	U	Lakefork Mountain #3	29	2N	4W	8,100
10J29p	U	Lightning Lake	24	4N	8W	10,950
9J5PST	U	Mosby Mountain	27	2S	18E	9,500
9J3P	U	Paradise Park	7	3N	1E	10,100
10J18P	U	Rock Creek	21	2N	7W	7,900
10J32P	U	Shadow Lake	28	3N	8W	10,150
11J8PS	U	Strawberry Divide	34 & 35	7S	6E	8,000
11J35P	U	West Fork of the Duchesne	22	1N	19E	10,250
		PRICE RIVER				
10K5M	U	Corral	32	13S	14E	8,200
11K8	U	Dry Valley Divide	20	12S	8E	7,800
10K3M	U	Grassy Trail Creek-Left Fork	2	14S	13E	7,970
11K7	U	Jones Ranch	32	12S	7E	7,600
11K33MP	U	Mud Creek	4	14S	7E	8,300
10K6	U	Timberline	28	13S	13E	9,100
10K2MPST	U	White River #1	11	10S	8E	8,550
11K24	U	White River #2	9	10S	8E	7,600
11K25	U	White River #3	30	10S	8E	7,400
		SAN RAFAEL RIVER				
11K31PST	U	Buck Flat	23	19S	4E	9,400
11K4P	U	Gooseberry Reservoir	25	13S	5E	8,700
11K5	U	Huntington-Horseshoe	12	14S	5E	9,800
11K28PST	U	Red Pine Ridge	5	16S	6E	9,400
10K2MP	U	Rush Pond	24	19S	4E	9,800
11K9PST	U	Seeley Creek	25	17S	4E	10,000
11K27P	U	Stuart R.S.	8 & 9	15S	7E	7,950
11K29	U	Upper Joe's Valley	21	16S	6E	8,900
11K32	U	Wrigley Creek	27	19S	5E	9,000
		MUDDY RIVER				
11K14	U	Black's Fork	34	20S	4E	9,200
11K15PST	U	Dill's Camp	27	20S	4E	9,200
		FREMONT RIVER				
11L4P	U	Black's Flat-U.M. Creek	33	24S	3E	9,250
11L5	U	Donkey Reservoir	9	30S	4E	9,800
11L3P	U	Fish Lake	35	26S	1E	8,700
11L6	U	Johnson Valley	24	25S	2E	8,850
		SOUTHEASTERN UTAH DRAINAGES				
9M1P	U	Buckboard Flat	36	33S	22E	9,000
9M2P	U	Camp Jackson	22	34S	22E	8,600
9L1	U	LaSal Mountain	5	27S	24E	8,800
9L2P	U	LaSal Mountain (upper)	3	27S	24E	9,400
9M3	U	Monticello Park	25	33S	23E	7,050
		ESCALANTE RIVER				
11M1	U	Widtsoe-Escalante Summit	22	34S	1W	9,500
11M2PST	U	Widtsoe-Escalante #2	22	34S	1W	9,500
11M3P	U	Widtsoe-Escalante #3	22	34S	1W	9,500
		VIRGIN RIVER				
13M5PST	U	Kolob-Crystal	2	38S	11W	9,250
12M6	U	Long Valley Junction	22	38S	6W	7,500
12M3MPT	U	Webster Flat	20	37S	9W	9,200

LEGEND
Numbering System (example)

10J7	Snow Course Only
10J7P	Snow Course and Precipitation Gage
10J7M	Snow Course and Soil Moisture Station
10J7A	Snow Course and Aerial Marker
10J7MA	Snow Course, Soil Moisture Station and Aerial Marker
10J7MP	Snow Course, Soil Moisture Station and Precipitation Gage
10J7a	Aerial Marker Only
10J7p	Storage Precipitation Gage Only
10J7PS	Snow Course, Precipitation Gage, Snow Pillow and Temperature
10J7PST	Snotel Data Site.

Agencies Cooperating in Utah Snow Surveys

U.S. GOVERNMENT AGENCIES

U.S. Department of Agriculture
- Soil Conservation Service
- Forest Service

U.S. Department of Commerce
- NOAA, National Weather Service

U.S. Department of Interior
- Bureau of Reclamation
- Geological Survey
- National Park Service

STATE AGENCIES

Utah State University

Utah Fish and Game Department

Utah State Department of Natural Resources, Division of Water Rights
- Bear River Commissioner
- Price River Commissioner
- Provo River Commissioner
- Sevier River Commissioners
- Spanish Fork River Commissioner
- Utah Lake and Jordan River Commissioner

MUNICIPALITIES

Manti

Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association

Board of Canal Presidents - Jordan River

Emery Canal and Reservoir Company

Moon Lake Water Users Association

Ogden River Water Users Association

Provo River Water Users Association

Strawberry Water Users Association

Sevier River Water Users Association

PRIVATE AGENCIES

Kaiser Steel Corporation

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